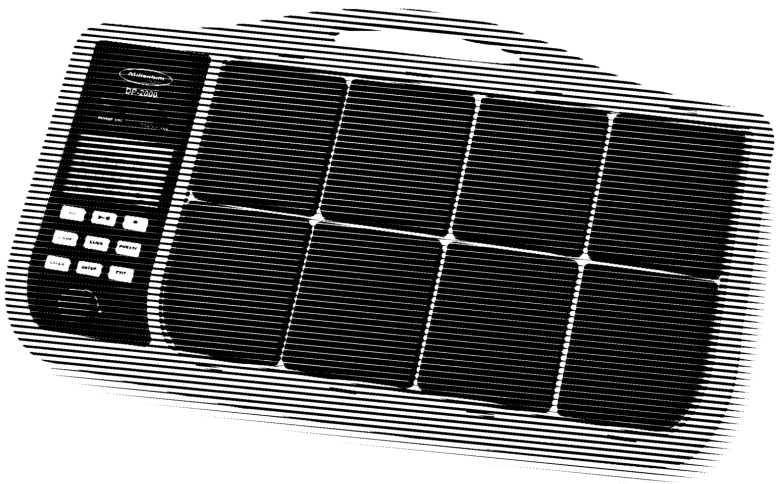
Millenium



DP-2000

percussion pad

th•mann
MUSIC IS OUR PASSION

user manual

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Table of contents

1 General notes **4**

2 Safety notes **6**

3 Features **9**

4 Controls **10**

5 Device functions **16**

6 Technical data **39**

7 Protecting the environment **40**

8 Appendix **41**

8.1 Sound list 41

8.2 Effect list 63

8.3 Kit list 67

8.4 Groove box and accompaniment tracks 74

8.5 MIDI implementation 76

1 General notes

This user manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device, include the manual for the next owner.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – danger zone.

2 Safety notes

The multi pad converts digital trigger signals from drum pads to different percussion sounds. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

CAUTION!

Possible hearing damage

With loudspeakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment.

Do not operate the device permanently at a high volume level. Decrease the volume level immediately if you experience ringing in your ears or hearing impairment.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

External power supply

The device is powered by an external power supply. Before connecting the external power supply, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly the user.

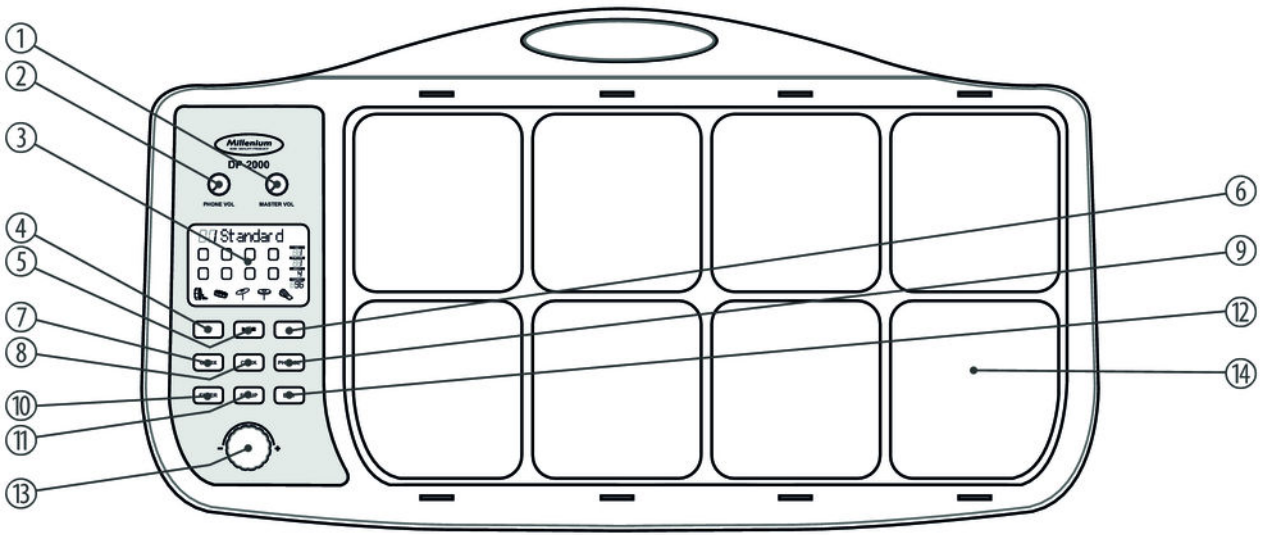
Unplug the external power supply before electrical storms occur and when the device is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

- Eight velocity-sensitive, freely programmable drum pads
- 914 pre-programmed sounds
- 80 pre-programmed drum kits
- Groove box with 20 pre-programmed loops
- Memory for 30 user-defined loops
- Recording function
- 20 pre-programmed accompaniment tracks
- Built-in effects processor
- Programmable 4-band equalizer
- Metronome function
- Five trigger inputs
- Support plate for stand/tabletop mounting

4 Controls

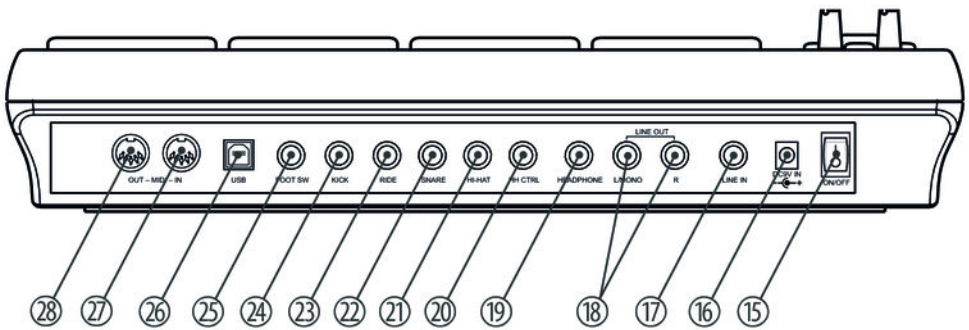
Front panel



1	**MASTER VOL** Volume control for overall volume level.
2	**PHONE VOL** Volume control for headphone output.
3	LED display Shows the current value or parameter.
4	*[KIT]* button Button for opening the kit selection.
5	▶/■ button Button for starting / stopping playback of pre-programmed and saved sounds, loops and recordings.
6	● button Button for starting a recording in recording mode.
7	*[G.BOX]* button Button for activating the groove box function.

8	*[CLICK]* button Button for activating and deactivating the metronome.
9	*[PHRASE]* button Button for activating the PHRASE mode.
10	*[ENTER]* button Button for confirming inputs and values in the various menus.
11	*[SETUP]* button Button for activating the SETUP mode.
12	*[EXIT]* button Button for leaving the current use level or currently open menu.
13	**+ | –** rotary knob Control for moving the cursor on the display.
14	PADS Eight velocity-sensitive and freely programmable drum pads.

Rear panel


LINE OUT
OUT – MIDI – IN
USB
FOOT SW
KICK
RIDE
SNARE
HI-HAT
HH CTRL
HEADPHONE
L/MONO
R
LINE IN
DC9V IN
ON/OFF
28
27
26
25
24
23
22
21
20
19
18
17
16
15

15	**ON/OFF** On/Off switch.
16	**DC IN** Socket for connecting the 9 V power supply unit included in delivery.
17	**LINE IN** Input socket for connecting external playback devices such as MP3 or CD players.
18	**LINE OUT** L (MONO) / R signal output.
19	**HEADPHONE** Headphone output.
20	**HH CTRL** Socket for connecting a hi-hat pedal.
21	**HI-HAT** Socket for connecting a hi-hat pad.

22	**SNARE** Socket for connecting a snare pad.
23	**RIDE** Socket for connecting a ride pad.
24	**KICK** Socket for connecting a bass drum pedal.
25	**FOOT SW** Socket for connecting a foot switch.
26	USB interface
27	**MIDI IN** MIDI input socket.
26	**MIDI OUT** MIDI output socket.

5 Device functions

Switching on/off

Connect the power supply unit to the 9 V input on the device, and then insert the power plug into the socket-outlet. To switch the device on and off, use the *[ON/OFF]* switch. Before starting to play the pads, turn the *[PHONE VOL]* and the *[MASTER VOL]* volume to minimum levels and gradually increase the volume while striking a pad.

Drum pads

You can assign 914 different sounds to the DP-2000's eight pads (see *Chapter 8.1 'Sound list' on page 41*). In normal mode, the velocity sensitivity enables you to control the volume merely by the force of your touch, i.e., the harder you hit the pad, the louder the sound that is produced. In layer mode (see *'Layer mode' on page 19*), the pads can be programmed in such a way that different sounds are produced by one pad depending on the force of your touch. When you strike a pad, the related LED on the device lights up, and the pad played is simultaneously highlighted on the device display.

Striking the pads

You can strike the pads either with your hands or with drum sticks. The scope of delivery includes two sticks, which are stored in two receptacles on the side of the device. The sticks are held by a spring mechanism in the receptacles. To remove the sticks, press on their heads. When sliding the sticks into the receptacles, make sure that both of them latch properly.

External triggers

You can connect external drum pads to the device via the connections on the rear of the DP-2000. As soon as a kick, snare, ride or hi-hat pad or a hi-hat pedal is connected to one of the sockets, a corresponding marker appears below the icon on the display. When you strike an external pad, the related icon on the display is pulsing.

Sound and drum kits

The multi pad features 80 on-board sound kits which are controlled by the eight pads of the device, as well as five on-board drum kits which are controlled by external triggers (see *Chapter 8.3 'Kit list' on page 67*).

To activate the kit selection for the device pads, press the *[KIT]* button briefly. The kit number and the kit name appear on the display. Use the *[+ | –]* rotary knob to select the desired kit.

To activate the kit selection for the external pads, press and hold down the *[KIT]* button for two seconds. The kit number and the kit name appear on the display. Use the *[+ | –]* rotary knob to select the desired kit.

Alternatively, you can use a foot switch (not included in delivery) to select the different kits.

Favorites

The "CHAIN" function allows you to pre-program ten sound kits, between which you can switch quickly by means of the rotary knob.

Press the *[KIT]* button until *'CHAIN'* appears in the top left corner of the display. The favorites are shown as *'C01'* to *'C10'* with their related kit names. Use the *[+ | –]* rotary knob to select the desired kit.

To assign your favorites to the ten memory locations available, proceed as follows:

1. In CHAIN mode, press the *[SETUP]* button.

2. Use the *[+ | –]* rotary knob to select the *'System'* option and confirm by pressing *[ENTER]*.

⇨ *'Overall'* starts flashing on the display.

3. Use the *[+ | –]* rotary knob to select the *'Chain'* option and confirm by pressing *[ENTER]*.

⇨ The value *'Chain 01'* starts flashing on the display.

4. Press the *[ENTER]* button to display all available kits. Use the *[+ | –]* rotary knob to select the kit you want to save as your favorite under "Chain 01". Confirm with *[ENTER]* to go on saving the next favorite under "Chain 02", or press *[EXIT]* to exit the menu.

⇨ The *'Save?'* confirmation prompt appears on the display.

5. Confirm with *[ENTER]* to save your selection.

6. To exit the menu, press the *[EXIT]* button repeatedly.

Layer mode

In layer mode, the pads can be programmed in such a way that different sounds at different volume levels with different effects are produced by one pad depending on the force of your touch.

1. In KIT mode, press the *[SETUP]* button.
   ⇨ *'Kit Edit'* starts flashing on the display.
2. Confirm your selection by pressing *[ENTER]*.
   ⇨ *'Global'* starts flashing on the display.
3. Use the *[+ | –]* rotary knob to select the *'Pad Kit'* option and confirm by pressing *[ENTER]*.
   ⇨ *'Layer Mode'* starts flashing on the display.
4. Strike the pad whose settings you want to modify.
   ⇨ The related pad icon starts flashing on the display.
5. Press the *[ENTER]* button to display the current setting (*'Off'*, *'Mix'*, *'Switch'*, *'Fade'*, *'X.Fade'*). Use the *[+ | –]* rotary knob to change the setting.
6. Then confirm with *[ENTER]* to go on setting the next parameter (see table below).

7. To exit the menu, press the *[EXIT]* button.

⇨ The *'Save?'* confirmation prompt appears on the display. Confirm with *[ENTER]* to save the new settings.

Parameter	Meaning	Value range
Layer mode	Mode of functioning	Off, Mix, Switch, Fade, X.Fade
Layer Point	Volume threshold for switching from layer A to layer B.	0…127
Voice A / B	Sound, A / B	see *Chapter 8.1 'Sound list' on page 41*
Volume A / B	Volume level, A / B	0…127
Pan A / B	Right/left balance in the stereo image, A / B	–64…63
Pitch A / B	Pitch, A / B	–10…10
Reverb A / B	Reverb effect, A / B	0…127
Chr/Dely A / B	Chorus and delay, A / B	0…127

The external trigger pads can be adjusted in the same way. Open the SETUP, KIT EDIT, EXTERNAL menu. The parameters of the external triggers are marked by the letter 'E'.

Groove box

The DP-2000 features 20 on-board loops, which can be opened in "GROOVE BOX" mode (see *Chapter 8.4 'Groove box and accompaniment tracks' on page 74*).

Press the *[G.BOX]* button to activate this mode. Next to its name, the number of the loop that was last played starts flashing on the display. Use the *[+ | –]* rotary knob to select the desired loop. To replay or stop the loop press the ▶/■ button. To replay or stop single tracks of the loop, strike the corresponding pad. In this way you can mix in the individual tracks one after the other, e.g. as an intro, or mute them in the outro, or create compositions of your own.

The device's eight pads are divided into three groups in this mode:

- The four upper pads are used to vary and mute/unmute the individual tracks of the loop (A to D).
- The two lower left pads are used to mix in additional individual sounds from the loop's sound kit.
- The two lower right pads are used to mix in additional effects from the loop's sound kit in random order.

By connecting external triggers to the device, you can mix further percussion sounds into the loop.

During loop playback you can modify the loop variation (A to D) for all four tracks together by means of the *[+ | –]* rotary knob . Alternatively you can modify the variation of a single track by softly striking the related pad, or mute the track by hardly hitting the pad. The display shows the variations A, B, C and D for all tracks. The icons of the pads which are played are highlighted by a dropshadow.

To switch to another loop, you must terminate the current loop first.

To change the playback speed of the loop, press and hold down the *[CLICK]* button for two seconds. As soon as *'TEMPO'* flashes on the display, you can adjust the speed within a range of 40 to 240 beats per minute using the *[+ | –]* rotary knob.

Metronome

The metronome function is available in KIT mode only. Press the *[CLICK]* button to activate or deactivate the metronome. To set the tempo, volume and time signature of the metronome, press and hold down the *[CLICK]* button for two seconds. Use the *[+ | –]* rotary knob to select the desired options. Then press *[ENTER]* to move to the next parameter. Confirm each of your chosen values with *[ENTER]*.

Effects

The DP-2000 is equipped with a digital signal processor which controls three effects (see *Chapter 8.2 'Effect list' on page 63*). You can assign several effects to each single kit. The effects always affect all pads and external triggers and cannot be assigned to individual pads.

Effect	Parameter, range of values
Reverb	Reverb on / off, Reverb Type 1…27, Reverb Level 1…127
Chorus	Chorus on / off, Chorus Type 1…27, Chorus Level 1…127
Delay	Delay on / off, Delay Type 1 / 2 / 3 / User, Delay Level 0…127

To adjust the effects, press the *[SETUP]* button, select the *'Kit Edit'* option by means of the *[+ | –]* rotary knob and confirm by pressing *[ENTER]*. Use the *[+ | –]* rotary knob to select the *'Global'* option and confirm by pressing *[ENTER]*. Subsequently you can make the desired settings as follows:

1. Confirm the selection of the displayed parameter by pressing *[ENTER]*.
2. Use the *[+ | –]* rotary knob to set the desired value.
3. Confirm by pressing *[ENTER]*.
   ⇨ The next parameter appears on the display, and you can proceed to make the next setting.

4. Once you are done with your settings, press the *'EXIT'* button to exit the menu.
   ⇨ The *'Save?'* confirmation prompt appears on the display.
5. Confirm with *[ENTER]* to save your settings and to exit the menu.

4-band equalizer

The DP-2000 features a programmable 4-band equalizer with eight presets, allowing you to adjust the sound characteristics of the individual kits (see *'Equalizer' Table on page 66*). The settings always affect all pads and external triggers.

1. In KIT mode, press the *[SETUP]* button.
2. Use the *[+ | –]* rotary knob to select the *'System'* option and confirm by pressing *[ENTER]*.
3. Then select the *'Overall'* option by means of the *[+ | –]* rotary knob and confirm by pressing *[ENTER]*.
4. Finally, select the *'Equalizer'* option by means of the *[+ | –]* rotary knob and confirm with *[ENTER]* to select a preset (Normal 1/2, Bass Boost, Bass Mid, Moderate, Bright Mid, Bright, Bright High, User EQ).
5. Confirm with *[EXIT]* to save your settings and to exit the menu.

To adjust the User EQ settings, press the *[SETUP]* button, select the *'System'* option by means of the *[+ | –]* rotary knob and confirm by pressing *[ENTER]*. Use the *[+ | –]* rotary knob to select the *'User EQ'* option and confirm by pressing *[ENTER]*. Subsequently you can make the desired settings as follows:

1. Confirm the selection of the displayed parameter by pressing *[ENTER]*.
2. Use the *[+ | –]* rotary knob to set the desired value.
3. Confirm by pressing *[ENTER]*.
   ⇨ The next parameter appears on the display.
4. Once you are done with your settings, press the *'EXIT'* button to exit the menu.
   ⇨ The *'Save?'* confirmation prompt appears on the display.
5. Confirm with *[ENTER]* to save your settings and to exit the menu.

Recording function

The DP-2000's recording function allows you to record loops of your own:

- Direct recording with default settings
  In this recording mode, you can record a four-bar loop in overdub mode without making any further settings.

1. Open the desired kit and press the ● button to activate the recording mode.

⇨ The *[PHRASE]* button lights up and the ● button starts flashing to indicate that the device is ready for recording.

2. To start recording, press the ● button again and play your loop.

3. To stop recording, press the ● button.

4. Press the *[EXIT]* button to save the loop.

⇨ *'SavePhrase'* appears on the display.

5. Use the *[+ | –]* rotary knob to select a loop number (01 to 30) for saving your recording and confirm your selection by pressing *[ENTER]*.

- Recording with presets
  In this recording mode, you can set different recording parameters.

1. To activate the recording mode, press the ● button.

⇨ The *[PHRASE]* button lights up and the ● button starts flashing to indicate that the device is ready for recording.

2. Press the *[SETUP]* button to open the setup menu for the recording function.

3. Use the *[+ | –]* rotary knob to set the available parameters one after the other (see table below). Always press the *[ENTER]* button to confirm your changes and to move to the next parameter (alternatively, you can skip parameters by means of the *[+ | –]* rotary knob). Once you are done with your settings, press the *[EXIT]* button to exit the setup menu.

4. To start recording, press the ● button again and play your loop.

5. To stop recording, press the ● button.

6. Press the *[EXIT]* button to save the loop.

⇨ *'SavePhrase'* appears on the display.

7. Use the *[+ | –]* rotary knob to select a loop number (01 to 30) for saving your recording and confirm your selection by pressing *[ENTER]*.

Parameter	Meaning	Value range
Over Dub	In overdub (On) mode, the newly recorded sounds are overlaid onto the existing ones. In overwrite (Off) mode, the existing sounds are overwritten by the newly recorded ones.	On, Off
Pad Kit	Sound kit selection.	see *Chapter 8.1 'Sound list' on page 41*
Accomp	Accompaniment track selection.	see *'Accompaniment tracks' on page 75*
Accomp Vol	Volume level of accompaniment track (only availabe if an accompaniment track was selected).	0…127
Tempo	Playback speed of accompaniment track (only availabe if an accompaniment track was selected).	40…240
Measure	Time signature	4, 8, 16, 32
BeatPM	Number of beats per measure	02…12
Metro Vol	Metronome volume level	0…127

Parameter	Meaning	Value range
Reverb	Reverb effect	On, Off
Rev. Type	Reverb type (only with Reverb On)	0…27
Rev. Level	Reverb level (only with Reverb On)	0…127
Chorus	Chorus effect	On, Off
Chr. Type	Chorus type (only with Chorus On)	01…23
Chr. Level	Chorus level (only with Chorus On)	0…127
Delay	Delay effect	On, Off
Delay Type	Delay type (only with Delay On)	01…5
Delay Level	Delay level (only with Delay On)	0…127

- Recording with accompaniment track
  In this recording mode, you can record a loop with an accompaniment track.

1. To activate the recording mode, press the ● button.

⇨ The *[PHRASE]* button lights up and the ● button starts flashing to indicate that the device is ready for recording.

2. Press the *[SETUP]* button to open the setup menu for the recording function.

3. Use the *[+ | –]* rotary knob to select the *'Accomp'* option. Press the *[ENTER]* button and then select the desired accompaniment track by means of the *[+ | –]* rotary knob. Press the *[SETUP]* button to make further settings (parameters see table above), or press the *[EXIT]* button once you are done with your settings and want to exit the setup menu.

4. To start recording, press the ● button again and play your loop.

5. To stop recording, press the ● button.

6. Press the *[EXIT]* button to save the loop.

⇨ *'SavePhrase'* appears on the display.

7. Use the *[+ | –]* rotary knob to select a loop number (01 to 30) for saving your recording and confirm your selection by pressing *[ENTER]*.

- Overwriting loops
  Existing loops may be overwritten at any time. In the PHRASE menu, select the desired loop and overwrite it with a new recording as described above.

Replaying loops

Press the *[PHRASE]* button to open the selection of user-created loops. Use the *[+ | –]* rotary knob to select the desired loop and start/stop playback by pressing the ▶/■ button. The saved loops can be replayed either in "single once" or "all once" or "all repeat" mode.

1. In KIT mode, press the *[SETUP]* button.
2. Use the *[+ | –]* rotary knob to select the *'System'* option and confirm by pressing *[ENTER]*.
3. Then select the *'Overall'* option by means of the *[+ | –]* rotary knob and confirm by pressing *[ENTER]*.
4. Finally select the *'PhrasePlay'* option by means of the *[+ | –]* rotary knob and confirm with *[ENTER]* to select a setting (Single Once, All Once, All Repeat).
5. Confirm with *[EXIT]* to save your settings and to exit the menu.

Deleting loops

Press the *[PHRASE]* button to open the selection of user-created loops. Use the *[+ | –]* rotary knob to select the loop you want to delete. Press the *[SETUP]* button. The loop will be deleted without any confirmation prompt.

Advanced settings

This menu allows you to set different pad parameters.

1. In KIT mode, press the *[SETUP]* button.
2. Use the *[+ | –]* rotary knob to select the *'Advanced'* option and confirm by pressing *[ENTER]*.
3. Use the *[+ | –]* rotary knob to select either the *'Pad Kit'* (device pads) or the *'External'* (external triggers) option and confirm by pressing *[ENTER]*.

The table below lists the available parameters.

Parameter, display	Meaning	Value range
Sensi.	Touch sensitivity	0…127
Headroom	Responsiveness	0…127
Mask Time	Double trigger suppression	0…127
Trigger	Trigger characteristic (force of touch/volume relation)	Linear, Log, Exp

Parameter, display	Meaning	Value range
Xtalk Gate	Threshold for touch sensitivity	0…127
X-Talk	Crosstalk	0…127

Always press the *[ENTER]* button after making a setting to save the new value and to move to the next parameter, or press the *[EXIT]* button once you are done with your settings. The *'Save?'* confirmation prompt appears on the display. Confirm with *[ENTER]* to save the new settings.

The parameters of the external triggers are marked by the letter 'E'.

Hi-hat pedal special case

The hi-hat pedal allows you to produce an open or a closed sound. Press the hi-hat pedal to produce the normal hi-hat sound. When you strike the hi-hat pad directly without using the pedal, you will produce an open hi-hat sound. When you press the pedal simultaneously, the hi-hat sounds as if closed.

To change the hi-hat settings, proceed as follows:

1. In KIT mode, press the *[SETUP]* button.
2. Use the *[+ | –]* rotary knob to select the *'Advanced'* option and confirm by pressing *[ENTER]*.
3. Use the *[+ | –]* rotary knob to select the *'External'* option and confirm by pressing *[ENTER]*.
4. Use the *[+ | –]* rotary knob to select the *'Mask Time'* parameter and confirm by pressing *[ENTER]*.
5. Press the hi-hat pedal to select the different parameters.

Parameter, display	Meaning	Value range
Sensitivity	Touch sensitivity	0…127
Headroom	Responsiveness	0…127

Parameter, display	Meaning	Value range
Pedal THR	Pedal response threshold	0…127
Trigger	Trigger characteristic (force of touch/volume relation)	Linear, Log, Exp

Always press the *[ENTER]* button after making a setting to save the new value and to move to the next parameter, or press the *[EXIT]* button once you are done with your settings. The *'Save?'* confirmation prompt appears on the display. Confirm with *[ENTER]* to save the new settings.

System settings

This menu allows you to set different system parameters for the device.

1. In KIT mode, press the *[SETUP]* button.
2. Use the *[+ | –]* rotary knob to select the *'System'* option and confirm by pressing *[ENTER]*.
3. Use the *[+ | –]* rotary knob to select the *'Overall'* option and confirm by pressing *[ENTER]*.

The table below lists the available parameters.

Parameter, display	Meaning	Value range
Equalizer	see *'4-band equalizer' on page 24*	
Master Vol	Volume level of device	0…127
Master Tune	Tuning function, based on the A standard concert pitch. This function allows you to globally tune up or down all sounds.	+/–50
P.SW. Func.	Foot switch function. The connected foot switch is used for modifying values or for controlling the start/stop function.	Plus, Minus, Start/Stop
P.SW. Action	Switching mode. The foot switch function is triggered by either pressing or releasing the switch.	Press, Release
G.box Play	see *'Groove box' on page 21*	
PhrasePlay	see *'Recording function' on page 26*	

Parameter, display	Meaning	Value range
Channel	MIDI channel selection.	01…16
Pad Note A	Note pitch of layer A (see *Chapter 8.5 'MIDI implementation' on page 76*).	
Pad Note B	Note pitch of layer B (see *Chapter 8.5 'MIDI implementation' on page 76*).	
Ext. Note	Note pitch of external triggers (see *Chapter 8.5 'MIDI implementation' on page 76*).	
Local	This setting determines whether the module sounds are directly audible on headphones and speakers (On), or whether they are transmitted as MIDI signals only (Off).	On, Off

Always press the *[ENTER]* button after making a setting to save the new value and to move to the next parameter, or press the *[EXIT]* button once you are done with your settings. The *'Save?'* confirmation prompt appears on the display. Confirm with *[ENTER]* to save the new settings.

Reset function

The reset function allows you to restore the factory settings of changed parameters.

1. In KIT mode, press the *[SETUP]* button.
2. Use the *[+ | –]* rotary knob to select the *'Reset'* option and confirm by pressing *[ENTER]*.
3. Select one of the following options by means of the *[+ | –]* rotary knob:
   - Reset Kits (reset all sound kits)
   - Reset Adv. (reset advanced settings)
   - Reset Sys. (reset system settings of the device)
   - Reset Phr. (delete all recordings)
   - Reset All (reset all settings)
4. Press the *[ENTER]* button.
   ⇨ The *'Save?'* confirmation prompt appears on the display.
5. Confirm with *[ENTER]* to reset the values.

6 Technical data

Display	LC display
Voltage supply	Power supply unit (9 V / 1000 mA)
Dimensions (D × W × H)	330 × 543 × 90 mm (12.99 × 21.38 × 3.54 inches)
Weight	3,66 kg (8.07 lbs)
Accessories	Power supply unit, drum key, support plate

7 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device

This device is subject to the European directive 2002/96/EC.

Do not dispose of the device with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

8 Appendix

8.1 Sound list

Category	Sound number
GM Bank	1 – 61
Kick	62 – 88
Hi-Hat	89 – 110
Cymbal	111 – 117
Snare	118 – 150
Side-Stick	151 – 153
Floor Tom	154 – 163
Low Mid Tom	164 – 168

Category	Sound number
High Mid Tom	169 – 172
High Tom	173 – 175

Category	Sound number
Percussion Effect	176 – 247
Hand Drum	248 – 270
Banya	271 – 273
Tabla	274 – 286
Timpani	287 – 320
Voice	321 – 370
Animal Sound	371 – 374
Bell	375 – 438

Category	Sound number
Marimba	439 – 476
Brass	477 – 488
Bowl	489 – 491
Pot	492 – 504
Wood Block	505 – 526

Category	Sound number
Triangle	527 – 529
Cowbell	530 – 544
Craski	545 – 549
Balalaika	550 – 574
Guitar	575 – 588

Category	Sound number
Lute	589 – 611
Chinese Instrument	612 – 651
Hits	652 – 663
Special FX	664 – 669
Scratch	670 – 681
Effect	682 – 751
Other Percussions	752 – 914

No.	Name	No.	Name	No.	Name	No.	Name
001	HighQ	014	SnareDrum1	027	RideBell	040	LowTimbale
002	Slap	015	LoFloTom2	028	Tambourine	041	HighAgogo
003	ScraPush	016	CloseHH	029	SplashCymb	042	LowAgogo

No.	Name	No.	Name	No.	Name	No.	Name
004	ScraPull	017	LowFloTom1	030	Cowbell	043	Cabasa
005	Stick	018	PedalHH	031	CrashCymb2	044	Maracas
006	SquarClick	019	LowTom	032	VibraSlap	045	ShortWhist
007	MetroClick	020	OpenHi-hat	033	RideCymb2	046	LongWhist
008	MetroBell	021	Low-midTom	034	HiBongo	047	ShortGuiro
009	KickDrum2	022	Hi-midTom	035	LowBongo	048	LongGuiro
010	KickDrum1	023	CrashCymb1	036	MuteConga	049	Claves
011	SideStick	024	RHighTom	037	HiConga	050	Hi W-Block
012	SnareDrum2	025	RideCymb1	038	LowConga	051	Lo W-Block
013	HandClap	026	ChCymbal	039	HighTimbal	052	MuteCuica

No.	Name	No.	Name	No.	Name	No.	Name
053	OpenCuica	066	Kick05	079	Kick18	092	Hi-hat04
054	MuteTriang	067	Kick06	080	Kick19	093	Hi-hat05
055	OpenTriang	068	Kick07	081	Kick20	094	Hi-hat06
056	Cabasa	069	Kick08	082	Kick21	095	Hi-hat07
057	Shaker	070	Kick09	083	Kick22	096	Hi-hat08
058	Belltree	071	Kick10	084	Kick23	097	Hi-hat09
059	Castanets	072	Kick11	085	Kick24	098	Hi-hat10
060	MuteSurdo	073	Kick12	086	Kick25	099	Hi-hat11
061	OpenSurdo	074	Kick13	087	Kick26	100	Hi-hat12
062	Kick01	075	Kick14	088	Kick27	101	Hi-hat13
063	Kick02	076	Kick15	089	Hi-hat01	102	Hi-hat14
064	Kick03	077	Kick16	090	Hi-hat02	103	Hi-hat15
065	Kick04	078	Kick17	091	Hi-hat03	104	Hi-hat16

No.	Name	No.	Name	No.	Name	No.	Name
105	Hi-hat17	118	Snare01	131	Snare14	144	Snare27
106	Hi-hat18	119	Snare02	132	Snare15	145	Snare28
107	Hi-hat19	120	Snare03	133	Snare16	146	Snare29
108	Hi-hat20	121	Snare04	134	Snare17	147	Snare30
109	Hi-hat21	122	Snare05	135	Snare18	148	Snare31
110	Hi-hat22	123	Snare06	136	Snare19	149	Snare32
111	Cymbal01	124	Snare07	137	Snare20	150	Snare33
112	Cymbal02	125	Snare08	138	Snare21	151	S-Stick01
113	Cymbal03	126	Snare09	139	Snare22	152	S-Stick02
114	Cymbal04	127	Snare10	140	Snare23	153	S-Stick03
115	Cymbal05	128	Snare11	141	Snare24	154	Tom-Lo1
116	Cymbal06	129	Snare12	142	Snare25	155	Tom-Lo2
117	Cymbal07	130	Snare13	143	Snare26	156	Tom-Lo3

No.	Name	No.	Name	No.	Name	No.	Name
157	Tom-Lo4	170	Tom-HiMid2	183	Ckjk5	196	HMN12
158	Tom-Lo5	171	Tom-HiMid3	184	Ckjk6	197	HMN13
159	Tom-Lo6	172	Tom-HiMid4	185	HMN01	198	Mtl1
160	Tom-Lo6	173	Tom-Hi1	186	HMN02	199	Mtl2
161	Tom-Lo7	174	Tom-Hi2	187	HMN03	200	Mtl3
162	Tom-Lo8	175	Tom-Hi3	188	HMN04	201	Mtl4
163	Tom-Lo9	176	Bktk1	189	HMN05	202	Mtl5
164	Tom-LoMid1	177	Bktk2	190	HMN06	203	Mtl6
165	Tom-LoMid2	178	Bktk3	191	HMN07	204	Mtl7
166	Tom-LoMid3	179	Ckjk1	192	HMN08	205	Perc Fx01
167	Tom-LoMid4	180	Ckjk2	193	HMN09	206	Perc Fx02
168	Tom-LoMid4	181	Ckjk3	194	HMN10	207	Perc Fx03
169	Tom-HiMid1	182	Ckjk4	195	HMN11	208	Perc Fx04

No.	Name	No.	Name	No.	Name	No.	Name
209	Perc Fx05	222	Perc Fx18	235	Perc Fx31	248	Arabian1
210	Perc Fx06	223	Perc Fx19	236	Perc Fx32	249	Arabian2
211	Perc Fx07	224	Perc Fx20	237	Perc Fx33	250	Arabian3
212	Perc Fx08	225	Perc Fx21	238	Perc Fx34	251	Arabian4
213	Perc Fx09	226	Perc Fx22	239	Perc Fx35	252	Arabian5
214	Perc Fx10	227	Perc Fx23	240	Perc Fx36	253	Arabian6
215	Perc Fx11	228	Perc Fx24	241	Perc Fx37	254	Arabian7
216	Perc Fx12	229	Perc Fx25	242	Perc Fx38	255	Athlp1
217	Perc Fx13	230	Perc Fx26	243	Perc Fx39	256	Athlp2
218	Perc Fx14	231	Perc Fx27	244	Pswc1	257	Athlp3
219	Perc Fx15	232	Perc Fx28	245	Pswc2	258	Atht1
220	Perc Fx16	233	Perc Fx29	246	Pswc3	259	Atht2
221	Perc Fx17	234	Perc Fx30	247	Pswc4	260	Atht3

No.	Name	No.	Name	No.	Name	No.	Name
261	Atht4	274	Tabla01	287	THH01	300	Tima1
262	Handpan1	275	Tabla02	288	THH02	301	Tima2
263	Handpan2	276	Tabla03	289	THH03	302	Timpani01
264	Handpan3	277	Tabla04	290	THH04	303	Timpani02
265	Handpan4	278	Tabla05	291	THH05	304	Timpani03
266	Handpan5	279	Tabla06	292	THH06	305	Timpani04
267	Indian1	280	Tabla07	293	THH07	306	Timpani05
268	Indian2	281	Tabla08	294	THH08	307	Timpani06
269	Indian3	282	Tabla09	295	THH09	308	Timpani07
270	Indian4	283	Tabla10	296	THH10	309	Timpani08
271	Banya1	284	Tabla11	297	THH11	310	Timpani09
272	Banya2	285	Tabla12	298	THH12	311	Timpani10
273	Banya3	286	Tabla13	299	THH13	312	Timpani11

No.	Name	No.	Name	No.	Name	No.	Name
313	Timpani12	326	Dine6	339	Voice11	352	Voice24
314	Timpani13	327	Dine7	340	Voice12	353	Voice25
315	Timpani14	328	Dine8	341	Voice13	354	Voice26
316	Timpani15	329	Voice01	342	Voice14	355	Voice27
317	Timpani16	330	Voice02	343	Voice15	356	Voice28
318	Timpani17	331	Voice03	344	Voice16	357	Voice29
319	Timpani18	332	Voice04	345	Voice17	358	Voice30
320	Timpani19	333	Voice05	346	Voice18	359	Voice31
321	Dine1	334	Voice06	347	Voice19	360	Voice32
322	Dine2	335	Voice07	348	Voice20	361	Voice33
323	Dine3	336	Voice08	349	Voice21	362	Voice34
324	Dine4	337	Voice09	350	Voice22	363	Voice35
325	Dine5	338	Voice10	351	Voice23	364	Voice36

No.	Name	No.	Name	No.	Name	No.	Name
365	Voice37	378	Bell4	391	BP08	404	CR09
366	Voice38	379	Bell5	392	BP09	405	CR10
367	Voice39	380	Bell6	393	BP10	406	CR11
368	Voice40	381	Bell7	394	BP11	407	CR12
369	Voice41	382	Bell8	395	BP12	408	HEA01
370	Voice42	383	Bell9	396	CR01	409	HEA02
371	Animal1	384	BP01	397	CR02	410	HEA03
372	Animal2	385	BP02	398	CR03	411	HEA04
373	Animal3	386	BP03	399	CR04	412	HEA05
374	Animal4	387	BP04	400	CR05	413	HEA06
375	Bell1	388	BP05	401	CR06	414	HEA07
376	Bell2	389	BP06	402	CR07	415	HEA08
377	Bell3	390	BP07	403	CR08	416	HEA09

No.	Name	No.	Name	No.	Name	No.	Name
417	HEA10	430	SPH06	443	Marimba05	456	Marimba18
418	HEA11	431	SPH07	444	Marimba06	457	Marimba19
419	HEA12	432	SPH08	445	Marimba07	458	Marimba20
420	HEA13	433	SPH09	446	Marimba08	459	Marimba21
421	HEA14	434	SPH10	447	Marimba09	460	Marimba22
422	HEA15	435	SPH11	448	Marimba10	461	Marimba23
423	HEA16	436	SPH12	449	Marimba11	462	Marimba24
424	HEA17	437	SPH13	450	Marimba12	463	Marimba25
425	SPH01	438	SPH14	451	Marimba13	464	Marimba26
426	SPH02	439	Marimba01	452	Marimba14	465	Marimba27
427	SPH03	440	Marimba02	453	Marimba15	466	Marimba28
428	SPH04	441	Marimba03	454	Marimba16	467	Marimba29
429	SPH05	442	Marimba04	455	Marimba17	468	Marimba30

No.	Name	No.	Name	No.	Name	No.	Name
469	Marimba31	482	Brass06	495	Pot04	508	W-Block04
470	Marimba32	483	Brass07	496	Pot05	509	W-Block05
471	Marimba33	484	Brass08	497	Pot06	510	W-Block06
472	Marimba34	485	Brass09	498	Pot07	511	W-Block07
473	Marimba35	486	Brass10	499	Pot08	512	W-Block08
474	Marimba36	487	Brass11	500	Pot09	513	W-Block09
475	Marimba37	488	Brass12	501	Pot10	514	W-Block10
476	Marimba38	489	Bowl1	502	Pot11	515	W-Block11
477	Brass01	490	Bowl2	503	Pot12	516	W-Block12
478	Brass02	491	Bowl3	504	Pot13	517	W-Block13
479	Brass03	492	Pot01	505	W-Block01	518	W-Block14
480	Brass04	493	Pot02	506	W-Block02	519	W-Block15
481	Brass05	494	Pot03	507	W-Block03	520	W-Block16

No.	Name	No.	Name	No.	Name	No.	Name
521	W-Block17	534	Cowbell05	547	Craski3	560	Balalaik11
522	W-Block18	535	Cowbell06	548	Craski4	561	Balalaik12
523	W-Block19	536	Cowbell07	549	Craski5	562	Balalaik13
524	W-Block20	537	Cowbell08	550	Balalaik01	563	Balalaik14
525	W-Block21	538	Cowbell09	551	Balalaik02	564	Balalaik15
526	W-Block22	539	Cowbell10	552	Balalaik03	565	Balalaik16
527	Triangle1	540	Cowbell11	553	Balalaik04	566	Balalaik17
528	Triangle2	541	Cowbell12	554	Balalaik05	567	Balalaik18
529	Triangle3	542	Cowbell13	555	Balalaik06	568	Balalaik19
530	Cowbell01	543	Cowbell14	556	Balalaik07	569	Balalaik20
531	Cowbell02	544	Cowbell15	557	Balalaik08	570	Balalaik21
532	Cowbell03	545	Craski1	558	Balalaik09	571	Balalaik22
533	Cowbell04	546	Craski2	559	Balalaik10	572	Balalaik23

No.	Name	No.	Name	No.	Name	No.	Name
573	Balalaik24	586	Gus12	599	Lute11	612	Chinese01
574	Balalaik25	587	Gus13	600	Lute12	613	Chinese02
575	Gus01	588	Gus14	601	Lute13	614	Chinese03
576	Gus02	589	Lute01	602	Lute14	615	Chinese04
577	Gus03	590	Lute02	603	Lute15	616	Chinese05
578	Gus04	591	Lute03	604	Lute16	617	Chinese06
579	Gus05	592	Lute04	605	Lute17	618	Chinese07
580	Gus06	593	Lute05	606	Lute18	619	Chinese08
581	Gus07	594	Lute06	607	Lute19	620	Chinese09
582	Gus08	595	Lute07	608	Lute20	621	Chinese10
583	Gus09	596	Lute08	609	Lute21	622	Chinese11
584	Gus10	597	Lute09	610	Lute22	623	Chinese12
585	Gus11	598	Lute10	611	Lute23	624	Chinese13

No.	Name	No.	Name	No.	Name	No.	Name
625	Chinese14	638	Chinese27	651	Chinese40	664	Spec FX1
626	Chinese15	639	Chinese28	652	Hit01	665	Spec FX2
627	Chinese16	640	Chinese29	653	Hit02	666	Spec FX3
628	Chinese17	641	Chinese30	654	Hit03	667	Spec FX4
629	Chinese18	642	Chinese31	655	Hit04	668	Spec FX5
630	Chinese19	643	Chinese32	656	Hit05	669	Spec FX6
631	Chinese20	644	Chinese33	657	Hit06	670	Scratch01
632	Chinese21	645	Chinese34	658	Hit07	671	Scratch02
633	Chinese22	646	Chinese35	659	Hit08	672	Scratch03
634	Chinese23	647	Chinese36	660	Hit09	673	Scratch04
635	Chinese24	648	Chinese37	661	Hit10	674	Scratch05
636	Chinese25	649	Chinese38	662	Hit11	675	Scratch06
637	Chinese26	650	Chinese39	663	Hit12	676	Scratch07

No.	Name	No.	Name	No.	Name	No.	Name
677	Scratch08	690	Effects09	703	Effects22	716	Effects35
678	Scratch09	691	Effects10	704	Effects23	717	Effects36
679	Scratch10	692	Effects11	705	Effects24	718	Effects37
680	Scratch11	693	Effects12	706	Effects25	719	Effects38
681	Scratch12	694	Effects13	707	Effects26	720	Effects39
682	Effects01	695	Effects14	708	Effects27	721	Effects40
683	Effects02	696	Effects15	709	Effects28	722	Effects41
684	Effects03	697	Effects16	710	Effects29	723	Effects42
685	Effects04	698	Effects17	711	Effects30	724	Effects43
686	Effects05	699	Effects18	712	Effects31	725	Effects44
687	Effects06	700	Effects19	713	Effects32	726	Effects45
688	Effects07	701	Effects20	714	Effects33	727	Effects46
689	Effects08	702	Effects21	715	Effects34	728	Effects47

No.	Name	No.	Name	No.	Name	No.	Name
729	Effects48	742	Effects61	755	Perc004	768	Perc017
730	Effects49	743	Effects62	756	Perc005	769	Perc018
731	Effects50	744	Effects63	757	Perc006	770	Perc019
732	Effects51	745	Effects64	758	Perc007	771	Perc020
733	Effects52	746	Effects65	759	Perc008	772	Perc021
734	Effects53	747	Effects66	760	Perc009	773	Perc022
735	Effects54	748	Gtr1	761	Perc010	774	Perc023
736	Effects55	749	Gtr2	762	Perc011	775	Perc024
737	Effects56	750	Gtr3	763	Perc012	776	Perc025
738	Effects57	751	Gtr4	764	Perc013	777	Perc026
739	Effects58	752	Perc001	765	Perc014	778	Perc027
740	Effects59	753	Perc002	766	Perc015	779	Perc028
741	Effects60	754	Perc003	767	Perc016	780	Perc029

No.	Name	No.	Name	No.	Name	No.	Name
781	Perc030	794	Perc043	807	Perc056	820	Perc069
782	Perc031	795	Perc044	808	Perc057	821	Perc070
783	Perc032	796	Perc045	809	Perc058	822	Perc071
784	Perc033	797	Perc046	810	Perc059	823	Perc072
785	Perc034	798	Perc047	811	Perc060	824	Perc073
786	Perc035	799	Perc048	812	Perc061	825	Perc074
787	Perc036	800	Perc049	813	Perc062	826	Perc075
788	Perc037	801	Perc050	814	Perc063	827	Perc076
789	Perc038	802	Perc051	815	Perc064	828	Perc077
790	Perc039	803	Perc052	816	Perc065	829	Perc078
791	Perc040	804	Perc053	817	Perc066	830	Perc079
792	Perc041	805	Perc054	818	Perc067	831	Perc080
793	Perc042	806	Perc055	819	Perc068	832	Perc081

No.	Name	No.	Name	No.	Name	No.	Name
833	Perc082	846	Perc095	859	Perc108	872	Perc121
834	Perc083	847	Perc096	860	Perc109	873	Perc122
835	Perc084	848	Perc097	861	Perc110	874	Perc123
836	Perc085	849	Perc098	862	Perc111	875	Perc124
837	Perc086	850	Perc099	863	Perc112	876	Perc125
838	Perc087	851	Perc100	864	Perc113	877	Perc126
839	Perc088	852	Perc101	865	Perc114	878	Perc127
840	Perc089	853	Perc102	866	Perc115	879	Perc128
841	Perc090	854	Perc103	867	Perc116	880	Perc129
842	Perc091	855	Perc104	868	Perc117	881	Perc130
843	Perc092	856	Perc105	869	Perc118	882	Perc131
844	Perc093	857	Perc106	870	Perc119	883	Perc132
845	Perc094	858	Perc107	871	Perc120	884	Perc133

No.	Name	No.	Name	No.	Name	No.	Name
885	Perc134	893	Perc142	901	Perc150	908	Perc157
886	Perc135	894	Perc143	902	Perc151	909	Perc158
887	Perc136	895	Perc144	903	Perc152	910	Perc159
888	Perc137	896	Perc145	904	Perc153	911	Perc160
889	Perc138	897	Perc146	905	Perc154	912	Perc161
890	Perc139	898	Perc147	906	Perc155	913	Perc162
891	Perc140	899	Perc148	907	Perc156	914	Perc163
892	Perc141	900	Perc149				

8.2 Effect list

Reverb

No.	Name	Display	No.	Name	Display
01	Short Room A	ShortRoomA	11	Vocal Plate	VocalPlate
02	Short Room B	ShortRoomB	12	Church A	Church A
03	Short Room C	ShortRoomC	13	Church B	Church B
04	Room A	Room A	14	Cathedral	Cathedral
05	Room B	Room B	15	Gated Reverb A	Gated RevA
06	Small Hall A	SmallHallA	16	Gated Reverb B	Gated RevB
07	Small Hall B	SmallHallB	17	Gated Plate A	Gtd PlateA
08	Large Hall A	LargeHallA	18	Gated Plate B	Gtd PlateB
09	Large Hall B	LargeHallB	19	Mono Echo	Mono Echo
10	Short Plate	ShortPlate	20	Stereo Echo	StereoEcho

No.	Name	Display		No.	Name	Display
21	Mono 3/4 Echo	M.Echo 3/4		25	Mono Triplet Echo	M.Echo Tri
22	Stereo 3/4 Echo	S.Echo 3/4		26	Stereo Triplet Echo	S.Echo Tri
23	Mono 4/4 Echo	M.Echo 4/4		27	User Reverb	UserReverb
24	Stereo 4/4 Echo	S.Echo 4/4				

Chorus

No.	Name	Display		No.	Name	Display
01	Chorus Light 1	Lt.Chorus1		13	Flange Slow Deep	Slw Flange
02	Chorus Light 2	Lt.Chorus2		14	Flange Deep	Dp.Flange
03	Chorus Medium 1	Md.Chorus1		15	Phaser Light	Lt.Phaser
04	Chorus Medium 2	Md.Chorus2		16	Phaser Medium	Md.Phaser
05	Chorus Deep 1	Dp.Chorus1		17	Phaser Slow Deep	Slw Phaser
06	Chorus Deep 2	Dp.Chorus2		18	Phaser Fast	Fst.Phaser
07	Chorus Fast 1	FstChorus1		19	Tremolo Slow	SlwTremolo
08	Chorus Fast 2	FstChorus2		20	Tremolo Medium 1	Md.Tremlo1
09	Resonant Chorus	Res.Chorus		21	Tremolo Medium 2	Md.Tremlo2
10	Long Time Chorus	LT.Chorus		2	Tremolo Fast	Fst.Tremlo
11	Flange Light	Lt.Flange		23	User Chorus	UserChorus
12	Flange Medium	Md.Flange				

Delay

No.	Name	Display		No.	Name	Display
01	Delay 1	Delay 1		04	Delay 4	Delay 4
02	Delay 2	Delay 2		05	User Delay	User Delay
03	Delay 3	Delay 3				

Equalizer

No.	Equalizer type		No.	Equalizer type
01	Normal 1		06	Bright Mid
02	Normal 2		07	Bright
03	Bass Boost		08	Bright High
04	Bass Mid		09	User EQ
05	Moderate			

8.3 Kit list

No.	Name	Default assignment							
		Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
01	Standard	–	–	–	–	–	–	–	switch
02	Latin	–	–	–	–	–	–	–	–
03	Music FX	–	switch	switch	–	–	–	switch	–
04	Blues Mrmb	–	–	–	–	–	–	–	–
05	Arabian	–	–	–	–	–	–	–	–
06	Conga	switch	switch	switch	switch	–	–	–	switch
07	Tabla	–	–	–	–	–	–	–	–
08	Wood Block	–	–	–	–	–	–	–	–
09	FX Band	–	–	–	–	–	–	–	switch
10	Elc Shots	–	–	–	–	–	–	–	–

No.	Name	Default assignment							
		Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
11	DJ Blues	–	–	–	–	–	–	–	–
12	SEV Drum	switch	–	–	–	–	switch	–	switch
13	Timpani	–	–	–	–	–	–	–	–
14	Elc World	mix	mix	mix	mix	mix	mix	mix	mix
15	CH Bell	–	–	–	–	–	–	–	–
16	CH Drum	switch	switch	switch	switch	switch	switch	switch	switch
17	Chinese	–	–	–	–	–	–	–	–
18	Hi Perc	–	–	–	–	–	–	–	–
19	Strings	mix	mix	mix	mix	mix	mix	mix	mix
20	CowBell	–	–	–	–	–	–	–	–
21	Bell Drum	–	–	–	–	–	–	–	–
22	Robot FX	–	–	–	–	–	–	–	–

No.	Name	Default assignment							
		Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
23	War Crysis	–	–	–	–	–	–	–	–
24	SwingSwing	–	–	–	–	–	–	–	–
25	Pots	switch	switch	switch	switch	–	switch	switch	switch
26	Hits	–	–	–	–	–	–	–	–
27	Industry	–	–	–	–	–	–	–	–
28	Light Funk	–	–	–	–	–	–	–	–
29	Brass	–	–	–	–	–	–	–	–
30	Disco Beat	–	–	–	–	–	–	–	–
31	Church	–	–	–	–	–	–	–	–
32	Acoustic1	–	–	–	switch	–	–	–	switch
33	Acoustic2	–	–	–	switch	–	–	–	switch
34	Voice1	–	–	–	–	–	–	–	–

No.	Name	Default assignment							
		Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
35	Voice2	–	–	–	–	–	–	–	–
36	Voice3	–	–	–	–	–	–	–	–
37	Sci-Voice1	–	–	–	–	–	–	–	–
38	Sci-Voice2	–	–	–	–	–	–	–	–
39	Machine	–	–	–	–	–	–	–	switch
40	RockBand	–	–	–	–	–	–	–	–
41	Orchestra	–	–	–	–	–	–	–	–
42	Drama	–	–	–	–	–	–	–	–
43	Nature	–	–	–	–	–	–	–	–
44	Alien	–	–	–	–	–	switch	switch	switch
45	AC	–	–	–	–	–	–	–	–
46	Taiko	–	–	–	–	–	–	–	–

No.	Name	Default assignment							
		Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
47	Bell	–	–	–	–	mix	mix	mix	mix
48	GUS	mix	mix	mix	mix	–	–	–	–
49	Ring1	–	–	–	–	–	–	–	–
50	Ring2	–	–	–	–	–	–	–	–
51	Ring3	–	–	–	–	–	–	–	–
52	Ring4	–	–	–	–	–	–	–	–
53	RevDrum1	–	–	–	–	–	–	–	–
54	RevDrum2	–	–	–	–	–	–	–	–
55	Balalaika	–	–	–	–	–	–	–	–
56	Tar	–	switch	switch	–	switch	–	switch	switch
57	Tropic	–	–	–	–	–	–	–	–
58	Perc FX	switch	switch	switch	switch	–	–	switch	switch

No.	Name	Default assignment							
		Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
59	Funny	–	–	–	–	–	–	–	–
60	Kraski	–	–	–	–	–	switch	switch	–
61	Ceremony	–	–	–	–	–	–	–	–
62	Heavy Beat	–	–	–	–	–	–	–	–
63	Hi-Fi	–	–	–	–	–	–	–	–
64	Music Box	–	–	–	–	–	–	–	–
65	CH Opera1	–	–	–	–	–	–	–	–
66	CH Opera2	–	–	–	–	–	–	–	–
67	CH Opera3	–	–	–	–	–	–	–	–
68	CH Opera4	–	–	–	–	–	–	–	–
69	Sax	–	–	–	–	–	–	–	–
70	Mixed Kit1	switch	switch	switch	switch	switch	switch	switch	switch

No.	Name	Default assignment							
		Pad 1	Pad 2	Pad 3	Pad 4	Pad 5	Pad 6	Pad 7	Pad 8
71	Mixed Kit2	switch	switch	switch	switch	switch	switch	switch	switch
72	Mixed Kit3	switch	switch	switch	switch	switch	switch	switch	switch
73	Sci-Fic	–	–	–	–	–	–	–	–
74	Star Wars	–	–	–	–	–	–	–	–
75	Pop	–	–	–	–	–	–	–	–
76	Scratch	–	–	–	–	–	–	–	–
77	VOX	–	–	–	–	–	–	–	–
78	Lute1	–	–	–	–	–	–	–	–
79	Lute2	–	–	–	–	–	–	–	–
80	X-Mas	–	–	–	–	–	–	–	–

8.4 Groove box and accompaniment tracks

Groove box list

No.	Groove box		No.	Groove box
01	U got it		11	Synth
02	Hoy ti		12	Brothers
03	Smooth		13	Bossa
04	Waltz		14	Cici
05	Find		15	Stay
06	Carbon		16	The way
07	California		17	That's it
08	Let's rock		18	Games
09	Pop ballad		19	Step
10	Slapin		20	Mixer

Accompaniment tracks

No.	Accompaniment tracks		No.	Accompaniment tracks
01	Bottle		11	Month
02	Bowdown		12	Sunshine
03	Freemind		13	Vida
04	Remcele		14	Mayday
05	Smile		15	Being
06	Soft		16	Case
07	Wish		17	Marie
08	Binary		18	Myeyes
09	Carryout		19	Sea
10	Challenge		20	Spud

8.5 MIDI implementation

Function		Transmitted	Recognized	Remarks
Basic channel		10	1-16	
Note number		0-127	0-127	
Velocity	Note ON	1-127	0-127	
	Note OFF	64	0-127	
Major Controls	B9h 04h xxh	Yes	No	Hi-Hat pedal control
	Bxh 79h 00h	Yes	Yes	Reset All Controller
	Bxh 7Bh 00h	Yes	Yes	All Notes OFF
Programme Change		No	Yes	
System Exclusive		Yes	Yes	
RPN		No	Yes	
NRPN		Yes	Yes	

Channel 10 supports only Bank 0.

For more information regarding "System Exclusive", "RPN" and "NRPN", please contact your specialized dealer.

Pad	Layer A Note	Layer B Note		Pad	Layer A Note	Layer B Note
Pad 1	20	21		Pad 5	28	29
Pad 2	22	23		Pad 6	30	31
Pad 3	24	25		Pad 7	32	33
Pad 4	26	27		Pad 8	34	35

Instrument	Note		Instrument	Layer B Note
Snare Head	38		Hi-Hat Open	46
Snare Rim1	37		Hi-Hat Close	42

Instrument	Note		Instrument	Layer B Note
Snare Rim2	40		Hi-Hat Pedal	44
Ride Head	51		Kick	36
Ride Edge	59		Ride Mute	6
Ride Bell	53			